

**CommVault Systems**
Dynamic Data Management™

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COMMVAULT GALAXY FIRST CERTIFIED BACKUP AND RECOVERY SOFTWARE ON HDS-NETAPP® ENTERPRISE NAS GATEWAY

6/4/2003

— End-to-end Solution Combines Galaxy's Unmatched Data Management with Hitachi Data Systems —
Network Appliance NAS Gateway's Performance, Capacity and Availability — Customers Can Centrally
Manage SAN, NAS and DAS Data and Resources —

OCEANPORT, N.J. — June 4, 2003 — CommVault® Systems, Inc., a provider of unified enterprise data management solutions, today announced that CommVault® Galaxy™ is the first certified backup and recovery software for the HDS-NetApp Enterprise NAS Gateway. The combined software and hardware solution couples Galaxy's unmatched data management with the HDS-NetApp NAS Gateway's performance, capacity, and availability. The resulting one-stop solution allows customers to centrally manage data and storage resources across SAN, NAS, and DAS-critical factors that reduce IT costs and fully leverage the storage infrastructure.

Award-winning CommVault Galaxy delivers high performance and scalable data backup and recovery to simplify data management in complex storage networks. Galaxy, part of the CommVault QiNetix software suite, leverages CommVault's Common Technology Engine (CTE) to provide a centralized browser interface and policy management, powerful data movement and flexible media management. Galaxy supports disk-to-disk-to-tape and scales to use any backup target-from direct-attached to SAN-attached storage-so it fits evolving requirements.

HDS-NetApp Enterprise NAS Gateway

The HDS-NetApp Enterprise NAS Gateway is a special-purpose NAS server that can attach directly or through a Fibre Channel SAN fabric to external Hitachi Freedom Storage™ systems rather than relying on in-the-server storage. The solution thus leverages customers' existing investments in enterprise-level storage and SAN infrastructures to provide scalable, high-performance file access services using inexpensive Ethernet connections. The resulting consolidation of storage maximizes flexibility in planning storage growth, improves storage utilization, and taps the full value of Hitachi Freedom Storage systems and management software. Reduced operational costs are achieved through vastly simplified enterprise data management, improved data protection, and greater disaster preparedness. The HDS-NetApp Enterprise NAS Gateway product line, GF960, GF940, and GF825, deliver industry-leading performance and capacity to meet NAS access requirements for enterprises of all sizes.

"The CommVault Galaxy backup and recovery software certified for the HDS-NetApp Enterprise NAS Gateway is an excellent opportunity for customers who want to realize the benefits of a robust storage management solution," said Phil Williams, vice president of solutions marketing at Network Appliance. "To keep data available at minimal IT cost, customers are always seeking consolidated data and storage management solutions. Coupling the Gateway with Galaxy gives customers a powerful, tested, one-stop solution."

"CommVault is pleased to work with partners, such as Hitachi Data Systems, to provide backup and recovery for NAS devices," said Dave West, vice president of business development, CommVault Systems. With this solution, customers will have a robust one-vendor solution, including award-winning technology and technical support. The resulting interoperability gives customers peace-of-mind, knowing that their data is managed on NAS hardware and can scale to higher-end devices if needed."

"Customers are looking for consolidated solutions that extend the capabilities of their storage environments," said Scott Genereux, vice president of Global Marketing and Business Development at Hitachi Data Systems. "The HDS-NetApp NAS Gateway provides customers with seamless SAN and NAS coexistence with the advantage of high availability, scalability and performance of Hitachi Freedom Storage systems. We are pleased to work with partners, such as CommVault, to provide added value capabilities for this powerful platform."

About CommVault Systems

CommVault Systems, Inc. provides unified enterprise data management solutions to ensure high-performance data protection, universal availability and simplified management of complex storage networks. The CommVault QiNetix platform, based on CommVault's Common Technology Engine, integrates Galaxy backup and recovery, data migration, data high availability, storage resource and SAN management software solutions. Information on CommVault is available on the World Wide Web at www.commvault.com or by calling (732) 870-4000. CommVault's corporate headquarters is located in Oceanport, New Jersey in the United States.

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COMMVAULT SYSTEMS AND BANYAN SYSTEMS ANNOUNCE JOINT SALES AND MARKETING RELATIONSHIP

6/30/1999

— New \$10 Million Partnership Enhances Enterprise Storage Management Solution for Banyan and Other Critical Environments —

OCEANPORT, NJ, June 30, 1998 -- Continuing to form strategic partnerships with leading technology providers, CommVault Systems, Inc. announced today a joint marketing agreement valued at nearly \$10 million, with Banyan Systems Incorporated (NASDAQ: BNYN). Under the terms of the agreement, Banyan will resell CommVault's enterprise storage management solution offering enterprise data protection for backup and recovery of critical data across multivendor environments for its customers.

This partnership provides a new distribution channel for CommVault, in which Banyan's direct sales force will be trained on how to use and resell CommVault's storage management solution to existing and prospective Banyan customers. Dedicating significant resources to this partnership, CommVault will be providing necessary service and training through its services team for jointly deployed implementations.

CommVault's storage management software provides unique and reliable recovery capabilities via a centralized, network-based "lights out" storage management solution for Banyan installations worldwide. Vault98's tightly integrated functionality includes full ARL and international character support, mailbox level recovery for Banyan mail services, direct recovery of patch level for VINES® servers, cross server recovery plus migration and support for StreetTalk® for Windows NT®. The combined CommVault/Banyan solution will allow end-users to efficiently and cost-effectively provide protection and security for a variety of network configurations.

Designed to run within heterogeneous networks, CommVault's comprehensive, storage management solution fully integrates with a company's large file servers, databases and multiple mission critical applications. This relationship with Banyan enables customers to use a native Banyan interface to seamlessly operate and manage CommVault's solution to restore critical data at the file, mailbox or server level with all of the unique properties, permissions and metadata associated with the data intact.

"CommVault Systems has offered Banyan users unparalleled backup and recovery solutions for the past four years," said Brian McAteer, vice president, director of sales, CommVault Systems, Inc. "Because CommVault and Banyan share many large, industry-leading organizations as customers, this agreement will allow each company to better serve its customers today and into the future."

Providing centralized data protection for open client/server environments, CommVault Systems' storage management solution meshes tightly with the Banyan's enterprise-wide networking capabilities to secure customers' critical data. As Banyan moves to embrace the open client/server environment, this partnership will provide Banyan Systems with a storage management solution capable of supporting a diverse and heterogeneous mix of operating systems and applications found in large organizations.

"Our partnership with CommVault Systems will enable us to provide our customers with one of the most robust data protection strategies offered for VINES, Windows NT, Exchange and Lotus Notes in the industry," said Bob Burke, Banyan's senior vice president of worldwide sales and services. "CommVault's reputable position in the enterprise environment and expertise with storage management solutions make CommVault an instrumental factor in strengthening Banyan's overall cross-platform, multi-vendor solution capabilities."

About Banyan Systems

Over eight million business users, including half the Fortune 1000, depend on Banyan technology and solutions. Banyan Systems (NASDAQ:BNYN) is a pioneer and leader in providing proven, standards-based directory and messaging products for enterprise networks. Coupled with professional and support services, these unique offerings help people communicate simply and easily across the enterprise, intranets and the Internet. Founded in 1983 and headquartered in Westboro, Massachusetts, USA, the Company markets products and services worldwide through its direct sales force, authorized network integrators, resellers and international distributors. Banyan can be reached on the World Wide Web at www.banyan.com. Banyan, VINES, StreetTalk and BeyondMail are registered trademarks of Banyan Systems Incorporated. StreetTalk is a product of Banyan Systems Incorporated and not a product of McCarthy, Crisanti & Maffei, Inc.

About CommVault Systems

CommVault Systems is a worldwide leader in providing enterprise-wide storage management solutions for client/server environments. CommVault offers a complete, application integrated suite of network-aware products that seamlessly ensures the reliable, rapid restoration of files, network file systems, and today's most popular databases. Information on CommVault is available by calling (732) 870-4000. CommVault's corporate headquarters is located in Oceanport, New Jersey in the United States.

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COMMVAULT SYSTEMS ALIGNS WITH CROSSTOR TO SUPPORT OMNI-ISV PROGRAM

6/28/1999

- CommVault Systems To Support Initiative To Open Up NAS/SAN Markets to Third-Party Software Vendors

OCEANPORT, NJ - June 28, 1999 - CommVault Systems, Inc.®, a leading provider of enterprise storage management solutions, today announced its enrollment in CrosStor Software's Omni-ISV program. As part of CommVault's commitment to promote network attached storage (NAS) and storage area network (SAN) standards, CommVault will support the Omni-ISV program in an effort to provide standard interfaces for third party application providers with CrosStor.

CommVault will create agents that will bring high-availability recovery, backup, archiving and hierarchical storage management (HSM) solutions to NAS appliances running CrosStor NAS.

"CrosStor's modularity and APIs allow seamless integration with our data and storage management software suite," said Larry Cormier, vice president of marketing and business development. "Our participation demonstrates our commitment to delivering an architecture designed to support a broad range of solutions for both traditional LAN-based storage as well as emerging NAS and SAN environments."

With Omni-ISV, independent software vendors can write management applications for CrosStor NAS by conforming to a well-defined set of APIs that CrosStor developed specifically for external software integration. Similar APIs will be available for CrosStor's SAN server software, scheduled for release later this year.

"Over the next 18 months, leading OEMs will introduce network attached storage devices powered by CrosStor NAS and CrosStor SAN," explained Jeff Helthall, CrosStor's vice president of sales and marketing. "Customers will expect existing and future network management tools to support these devices, and CrosStor delivers a number of third party-friendly APIs to make that happen."

CrosStor is launching an aggressive initiative to market and recruit network and storage management software vendors.

"Now that OEMs have solidified their entry strategies into the NAS and SAN markets, they are turning to application integration to provide differentiation and added value," Helthall added. "Omni-ISV facilitates those efforts."

In addition to APIs, the company will deliver an ISV software development kit (SDK) later this year, and is creating an ISV customer support organization.

About CrosStor

CrosStor Software, Inc. (formerly Programmed Logic) develops cross-platform storage software for enterprise networks, network attached storage (NAS) devices, storage area networks (SANs) and embedded systems. Its storage-centric operating system and core file-management technology provide commercial operating systems, network appliances and embedded systems with mission-critical storage capabilities. The company was founded in 1990 by former Bell Labs engineers and is privately held. CrosStor is headquartered in South Plainfield, NJ and can be contacted at (908) 226-0100 or by visiting its web site at www.crosstor.com.

About CommVault Systems

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**COMMVAULT SYSTEMS' LARRY CORMIER TO PRESENT AT PERIPHERAL CONCEPTS, INC. NETWORK
STORAGE '99 CONFERENCE IN MONTEREY**

*-- CommVault Systems to Support Initiative to Open Up NAS/SAN Markets to Third-Party Software
Vendors --*

OCEANPORT, NJ - June 24, 1999 -- CommVault Systems, Inc., a leading provider of enterprise storage management solutions, announced today that Larry Cormier, the company's vice president of marketing and business development, will present at the Peripheral Concepts' Network Storage '99 Conference. Cormier will give a joint presentation on the fundamental storage management requirements for the "killer apps" in a Storage Area Network (SAN) environment. Cormier will present with Bruce Thompson, chief technology officer of Retrieve Inc., a leading SAN file system provider.

Please note: This presentation will take place on Tuesday, June 29, 1999 between 8:30 a.m. - 11:20 a.m. at the Monterey Conference Center's Steinberg Conference Room in Monterey, Calif.

During the presentation, Cormier will illustrate how to create a framework that will provide transparent access to multiple versions of files regardless of their location on primary or secondary media, from a single virtual file directory view. In addition, the presentation will highlight how data movement and host-less back-up can be facilitated by combining an advanced SAN file system with embedded data movement agents and how to provide a federated "file directory" view of all current and historical versions of files. Finally, the presentation will explain how intelligent embedded data movement agents will allow versioning so end users can directly access backed up and archived data, bypassing the restore process.

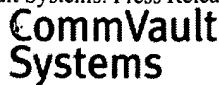
For more information about CommVault Systems, Inc., or to meet with Larry Cormier during the conference, please contact Kristen Bala, Sterling Hager, Inc. at 617-926-6665 or via e-mail at kbala@sterlinghager.com.

Network Storage '99 is the annual storage industry conference focused on network and storage solutions, applications, and customer experience. For more information on the Network Storage '99 Conference, please contact Peripheral Concepts, Inc. at (805) 898-3846 or visit their WWW site at www.periconcepts.com.

About CommVault Systems

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**COMMVAULT SYSTEMS' VAULT98 WINS BEST-OF-SHOW AWARD FROM WINDOWS NT MAGAZINE AT
ENTERPRISE NETWORKING ASSOCIATION 1999 INTERNATIONAL EXPOSITION**

*– HighGround Storage Resource Manager™ to be Embedded for Best-of-Breed Storage Resource
Management as CommVault Expands Offerings for Windows NT Environments –*

OCEANPORT, NJ - June 14, 1999 - CommVault Systems, Inc.®, a leading provider of world class, enterprise-wide storage management solutions, today announced that its Vault98 solution was honored as the prestigious "Best of Show" solution by Windows NT Magazine at the Enterprise Networking Association (ENA) 1999 International Conference and Exposition. This honor was formally announced in conjunction with ENA's 1999 conference in San Diego, California, an event sponsored by Windows NT Magazine, the market-leading publication for NT professionals and IT administrators.

Windows NT Magazine's Senior Technical Editor, ENA liaison and industry renowned expert David Chernicoff selected CommVault Systems' Vault98 as the "Best of Show" award winner after searching the ENA '99 tradeshow floor for the most useful and innovative third-party products for NT enterprise computing environments. Capturing heightening industry attention for Vault98's award-winning robust storage management software capabilities, CommVault is quickly gaining broad acceptance as the premier storage management solution provider for NT and NT clients, including Microsoft Exchange, Microsoft SQL Server, and Lotus Notes.

"As customers recognize storage resource management as a business-critical component of their IT landscape, they are demanding that more elements of the storage resource topology be visible across the enterprise," said Bud Broomhead, vice president of business development at HighGround. "CommVault is among the first Independent Software Vendors to respond to customer requirements that storage resources be viewed and managed independently with data center disciplines."

"CommVault's Vault98 offers unique backup and recovery functionality for critical NT applications, making it an invaluable asset to any organization looking to maximize productivity and leverage the power of their NT environment," said Chernicoff. "CommVault's demonstration at ENA '99 underscored the power and ease-of-use that distinguishes Vault98 as the premier data and storage solution for NT, earning it Windows NT Magazine's "Best of Show" award amongst strong competition."

"This award is yet another independent confirmation that Vault98 provides the industry's most flexible administrative solution for effectively managing storage needs in NT environments," said Larry Cormier, vice president of marketing and business development, CommVault Systems. "We are particularly pleased to be recognized by a publication with such high technical standards. What's more, this recognition is a validation that we are successfully delivering on our initiative to provide organizations with the most powerful, complete and centralized Windows NT storage solutions available."

Recognizing that NT has become an integral component to many organizations' competitive success, CommVault offers its Application Integrated backup and recovery solution, Vault98, to ensure unparalleled enterprise class data protection for NT and NT-related clients, including Microsoft Exchange, Microsoft SQL Server, and Lotus Notes. Unlike its competitors, CommVault's storage management solutions offer almost instantaneous individual object recovery with all attributes and attachments intact. For Microsoft Exchange, this breakthrough means NT administrators can recover sub-folders directly to an individual's mailbox while on-line. For Lotus Notes, individual documents can be recovered into an active Notes database. In addition, the Vault98 solution enhances an organization's ability to manage and migrate information to NT. The product's cross-server restore capabilities expedite migration of Banyan data to NT, and NT data to a different hardware platform including partial recovery of the NT registry to reduce conflicts, and migration of UNIX data to NT.

CommVault's solutions provide full administrative capabilities for NT databases and applications from any properly configured NT machine. Benefits also include:

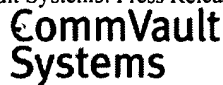
- Parallel data streams for backup and recovery of Exchange, SQL Server and Notes data provides maximum performance to meet time-sensitive windows.
- Individual object recovery, including sub-folders, documents, or mail IDs, while the application is on-line.
- Appends recovered information to ensure existing data is not lost or over-written in the recovery process.
- Cross platform recovery expediting migration of data to NT.
- On-line recovery saves time and reduces administrative workload.
- Solution enhances uptime by eliminating the requirement to bring mission critical applications down to recover small sub-sets of data.

As server implementations continue to grow in size and complexity, companies are turning to storage solutions that successfully manage large file servers, databases and multiple applications in a variety of environments. A centralized storage management application is essential for uniting all associated data from these sources into a single environment. As a leading provider of enterprise storage management solutions for enterprise open systems, CommVault offers the industry's most comprehensive, fully integrated suite of storage management software products. These solutions are tightly integrated with all storage management functions providing users with file system and database backup and recovery, disaster recovery, hierarchical storage management, archiving, and data migration.

About CommVault Systems

CommVault Systems is a leader in providing world-class, enterprise-wide storage management solutions for client/server environments. CommVault offers a complete application integrated suite of network-aware products that seamlessly ensure the reliable, rapid restoration of files, network file systems, applications, and today's most popular databases. Information on CommVault is available by calling (732) 870-4000. CommVault's corporate headquarters is located in Oceanport, New Jersey in the United States.

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**COMMVAULT SYSTEMS ANNOUNCES STRATEGIC DEVELOPMENT AGREEMENT WITH HIGHGROUND
SYSTEMS FOR ENTERPRISE STORAGE MANAGEMENT**

*-- HighGround Storage Resource ManagerTM to be Embedded for Best-of-Breed Storage Resource
Management as CommVault Expands Offerings for Windows NT Environments --*

OCEANPORT, NJ - June 7, 1999 -- CommVault Systems, a leading provider of world-class enterprise storage management solutions, and HighGround Systems, the leading provider of storage resource management solutions, announced today that CommVault will embed HighGround Storage Resource ManagerTM (SRM) within its enterprise data and storage management software through an OEM partnership. CommVault will immediately begin to sell co-labeled versions of SRM with Vault98, and will begin development of a version of its storage management software into which SRM will be tightly integrated.

SRM will complement CommVault's backup and recovery solutions by providing Windows NT customers with the Web-based reports, alerts, and trends needed to manage storage capacity, consumption, and availability enterprise-wide. SRM's automated storage monitoring combined with CommVault's high performance data movement engine gives Windows NT administrators, for the first time, the ability to proactively protect and manage vital Windows NT data and storage resources, providing true end-to-end storage management.

"As customers recognize storage resource management as a business-critical component of their IT landscape, they are demanding that more elements of the storage resource topology be visible across the enterprise," said Bud Broomhead, vice president of business development at HighGround. "CommVault is among the first Independent Software Vendors to respond to customer requirements that storage resources be viewed and managed independently with data center disciplines."

"Customers are seeking solutions, not technology. We recognize the interdependencies of advanced backup and recovery software and contemporary storage resource management, and are responding by providing an integrated solution," said Larry Cormier, vice president of business development and marketing at CommVault. "The combination of CommVault's data and storage management software and HighGround's Storage Resource Manager is one of many measures we will be taking toward delivering on our promise to offer comprehensive solutions to the marketplace."

Partnership Overview

Customers with these two integrated products will reap the benefits of storage resource management with SRM and automated backup and recovery with Vault98. Currently, IT managers have to manually monitor and compute storage capacity and consumption statistics and trends on individual systems to determine how big their full and incremental backups will be, how much removable storage is needed to support backup operations, how many backup servers are needed, and how backup clients and servers should be connected.

SRM's automated, network-wide storage capacity and consumption reports and trends eliminate the need for time-intensive, manual backup planning, and ensure fast, efficient deployments of CommVault's Vault98 backups. With the new combined storage management solution from CommVault and HighGround, customers will be empowered to optimize their data storage through true intelligent, real-world storage management. Combining SRM's ability to monitor storage usage and space allocation with CommVault's advanced, automatic archiving and hierarchical storage management capabilities enables IT organizations to maximize their available on-line storage capacity and ensure that older data is seamlessly transferred to other, more cost-effective removable media resources. Additionally, the combined solution automatically identifies and protects at-risk files that are not actively in use. Organizations can then back these files up and transfer them off-line to second-tier media to conserve disk space.

Integrated versions of the HighGround and CommVault products will eliminate the extra step of manually programming backups by combining monitoring and action-taking into one streamlined process. Network administrators will be able to turn reports from SRM into policies, either to manually begin backups or to automatically schedule backups based on feedback from SRM.

SRM is also important in CommVault's strategy to move further into the Windows NT enterprise market. Recognizing the current fast growth in the Windows NT market, CommVault is responding quickly to customer demand by developing solutions designed from the ground up for Windows NT environments.

As part of the development partnership, CommVault will develop a backup reporting agent for SRM. HighGround will then be able to offer to its customers the automated backup and recovery policy-making capabilities that CommVault's software provides.

About HighGround Systems

HighGround Systems, with worldwide headquarters in Marlborough, Mass., is the leading provider of storage resource management solutions for Windows NT environments. HighGround is a Microsoft Windows 2000 development partner, a Microsoft Certified Solution Provider (MCSP), and an IBM Business Partner. Fortune 1000 customers around the world rely on HighGround's storage resource management applications to reduce the costs of managing network storage, maximize IT staff efficiency, and increase data and application availability.

About CommVault Systems

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COMMVAULT SYSTEMS ANNOUNCES STRATEGIC ALLIANCE WITH NETWORK APPLIANCE

— New Alliance Aimed at Seamlessly Integrating CommVault and Network Appliance Solutions to Provide Corporate Customers with Greater Data Availability —

OCEANPORT, N.J. — March 1, 1999 — Committed to providing end users with superior data protection and recovery solutions, CommVault Systems, Inc. today announced a strategic alliance with Network Appliance (NASDAQ: NTAP), the leading provider of dedicated data access appliances. CommVault has seamlessly integrated its innovative storage management capabilities with Network Appliance's dedicated file server appliances, known as "filers." The combined solution will provide customers in high-growth enterprise environments the ease and management of accessing and browsing earlier versions of a file, as well as directly replacing or restoring a deleted file from off-line backup media.



NetworkAppliance

"The CommVault solution extends data protection and management options to customers that need flexibility to protect and manage their corporate data assets," said Charlie Simmons, vice president of marketing, Network Appliance. "Customers recognize the true benefits of this partnership — a centralized and automated storage management solution that significantly improves access to historical files and backed up data for Network Appliance™ filers."

CommVault's storage management solution expands the availability of data on the Network Appliance filer by merging the on-line and off-line information into a single file system-based resource. By centrally managing this data, CommVault allows end-users to directly recover files and information that has been lost or deleted. Both UNIX® permissions and Windows NT® access control list's (ACL's) are automatically checked to verify authorization to access data. The CommVault data management application supports and extends the capabilities of the Network Data Management Protocol (NDMP). Integration of NDMP as the open standard for storage area networks (SANs) and network-attached storage (NAS) simplifies network data management by centralizing back-up control, reducing traffic and enhancing back-up performance. For CommVault and Network Appliance customers, NDMP will ensure interoperability between different file servers and backup solutions, thus simplifying the data management process.

"Cooperative efforts such as this one with Network Appliance demonstrate CommVault's leadership in a maturing NAS marketplace," said Larry Cormier, CommVault's vice president, marketing and business development. "This alliance provides a reliable storage management solution that yields unparalleled backup and recovery granularity for users of the Network Appliance filers."

Availability

CommVault for Network Appliance is generally available today for CommVault release 2.7.1 or higher, covering Network Appliance filers running Data ONTAP™ 5.1.2 through 5.2.1.

About Network Appliance

Network Appliance, a veteran in network file serving and caching, has been providing data access solutions for over six years. Major corporations and ISPs, including Citicorp Securities, Yahoo, Siemens, Lockheed, Cisco, Motorola and Texas Instruments have deployed Network Appliance solutions. Network Appliance's file servers (called "filers") and Internet caching solutions (NetCache) deliver fast, simple, reliable and cost-effective access to network-stored data and enable simultaneous shared file services for UNIX, Windows® and the World Wide Web. The company pioneered the concept of the "network appliance," an extension of the industry trend toward dedicated, specialized products that perform a single function. Network Appliance filers and NetCache™ appliances are based on the company's innovative data access software known as Data ONTAP™ and standards-compliant hardware. More information is available at www.networkappliance.com.

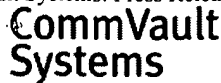
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**COMMVAULT SYSTEMS ANNOUNCES STRATEGIC OEM AGREEMENT WITH LEGATO SYSTEMS TO EMBED
LEGATO SMARTMEDIA WITHIN ITS STORAGE MANAGEMENT SOLUTIONS**

*— OEM Agreement Offers CommVault Customers a Broad Range of Standard Interface Devices and
Ability to Share Drives and Libraries —*

OCEANPORT, NJ - January 4, 1999 -- Continuing to form strategic partnerships that strengthen its comprehensive storage management solutions, CommVault Systems, Inc.® today announced a strategic Original Equipment Manufacturer (OEM) license agreement with Legato Systems, Inc. Through this agreement, CommVault will license and integrate Legato's SmartMedia® into its future family of enterprise-wide storage management products and storage area network (SAN) offerings.

"The integration of Legato SmartMedia ensures our enterprise storage management product will support a broad range of devices through standard interfaces," said Larry Cormier, CommVault's vice president of marketing and business development. "The ability to transparently share drives and libraries across different applications and systems is vital to controlling storage costs in the open systems arena."

This agreement will enable CommVault to swiftly adapt to evolution in the storage arena where new tape and optical storage technologies are competing for enterprise acceptance. In addition, a comprehensive media management solution will lower administrative costs and deliver a higher level of data protection by automating manual functions.

"Legato SmartMedia enables enterprises to reduce their overall cost of storage by providing robust media management solutions. We are excited to offer this product to our strategic partners," said Nora M. Denzel, senior vice president at Legato Systems, Inc. "Our partnership with CommVault is a natural fit in the enterprise arena, where the implementation of traditional client/server models, as well as emerging shared storage environments, can utilize Legato SmartMedia for device sharing."

This agreement further strengthens CommVault's commitment to deliver to its customers the most comprehensive and powerful enterprise storage management solutions available. By partnering with leading storage providers such as Legato Systems to help quickly expand the Company's storage management capabilities and service offerings, CommVault can more rapidly implement its vision of a comprehensive storage management solution. The CommVault solution offers its customers the following key benefits:

Application Integration

With unmatched integration capabilities, the CommVault solution quickly restores application data at the file, folder, mailbox or component level with all of the unique properties associated with the data intact. For example, documents with associated security clearance properties or e-mail boxes with attached files and associated addresses can be fully and individually restored. CommVault software recognizes the data within integrated applications as objects, capturing the permissions, rights and metadata associated with that data. Many competing approaches back up files and applications as straight bit stream data or file systems that require restoring an entire database or e-mail system to extract and restore a single document or folder. The granularity of the CommVault backup allows the software to quickly locate and individually restore only the requested data in seconds without any excess baggage.

Storage Management Foundation

CommVault's centralized storage management suite is the only storage management solution that is based on a single architectural foundation offering a built-in, tight integration of all storage management functions to meet enterprise user needs. These include:

- File System and Database Backup and Recovery,
- Disaster Recovery,
- Hierarchical Storage Management,
- Archiving, and
- Data Migration.

About Legato Systems

Legato Systems, Inc. develops, markets, and supports an integrated set of enterprise, storage management software products for heterogeneous client/server computing environments. Large customers around the world select the Company's solution because of its reliability, platform independence and unique ability to seamlessly integrate with existing and future computing environments. Legato's storage management software has become the recognized de facto standard with the largest installed base, representing over 37,000 customers, protecting more than 4,000,000 systems. Twenty-four of the world's largest system and applications vendors have chosen Legato as a strategic partner for protecting their customers' data, including Banyan, Compaq, Data General, Fujitsu/Amdahl, Fujitsu/ICL, Groupe Bull, Hewlett-Packard, Hitachi, Informix, NEC, Netscape, Network Appliance, Nihon-Unisys, Oracle, Siemens Nixdorf, Silicon Graphics, Sony and Sun Microsystems. The Company's NetWorker, BusinesSuite, SmartMedia, and GEMS products are also licensed, resold, or endorsed by other major vendors, including BMC Software; Computer Associates; Tivoli, an IBM company; Microsoft Corporation; MTI Technology; Novell; and SAP. Legato's home page address on the World Wide Web is www.legato.com.

About CommVault Systems

CommVault Systems is a worldwide leader in providing enterprise-wide storage management solutions for client/server environments. CommVault offers a complete, application integrated suite of network-aware products that seamlessly ensures the reliable, rapid restoration of files, network file systems and today's most popular databases. Information on CommVault is available by calling 732-870-4000 or email info@commvault.com.

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COMMVAULT'S DBVAULT MAGNUM REVOLUTIONIZES STORAGE MANAGEMENT FOR DISTRIBUTED DATABASE BACKUP AND RECOVERY

*— CommVault's DBVault MAGNUM Software Provides Fully Integrated Automatic Recovery of Databases
Reducing Time Needed for Recovery by 1/3 —*

OCEANPORT, NJ, August 10, 1998 — CommVault Systems Inc.[®], a leading provider of world class, enterprise-wide storage management solutions for client/server environments, announces DBVault[®] MAGNUM[™]. The software product is the only high performance backup and recovery solution that is fully integrated with certified database protection utilities, such as EBU, RMAN, and ON-Bar, via a "point and click" GUI. This single-step approach eliminates the need for systems administrators to restore the data necessary for the database administrator to recover the database. Using interfaces sanctioned by the world's largest database vendors, Oracle and Informix, DBVault MAGNUM provides a highly flexible and fully automated solution for unifying the protection of very large and multiple databases in the 300 gigabyte to one plus terabyte range. The DBVault MAGNUM product is an extension of CommVault's Vault98[™] storage management software family.

The MAGNUM software is designed for distributed environments where network-attached storage management streamlines administration of multiple databases and reduces costs through sharing of back-end storage media. The product provides centralized storage management, scheduled and automated backup and flexible recovery options of mixed database environments via a single integrated GUI. Operating with CommVault's central storage server, MAGNUM transfers data via parallel data transmission paths and adapts to the customer's network topology, bandwidth and hardware configurations. Additionally, this solution combines the advantages of over-the-network operation with the high-speed throughput demanded for large mission-critical databases. Through MAGNUM, DBAs can administrate databases stored on multiple dispersed servers from a single CommVault server console. This allows DBAs to automate backup procedures, centralize policies and perform restore operations via local or remote network connections.

"We developed the MAGNUM software based on solving database recovery from the DBAs viewpoint. Their perspective taught us that the restoration is not complete until the database is back on line, so we automated the entire process", said Marjorie Theisen, senior director of product marketing. "We also incorporated our DataPipe technology to eliminate latency in the hardware and tape drives, ensuring MAGNUM can deliver more than 15 gigabytes per DLT drive throughput during backup and recovery."

Market/Analyst Support

CommVault's high-speed, high-capacity backup and recovery solutions for large database systems address one of the industry's fastest growing and mission critical needs. According to Santa Barbara, California-based Strategic Research Corporation, server capacity owned by databases is growing larger in respect to non-relational data. In 1997, 45% of open systems server capacity was database data. Strategic Research estimates that by the year 2003, 65% of open systems server capacity will be data in the form of databases. Not only is the amount of business-critical information on databases growing significantly, but the cost associated with the downtime of database systems has been reported at over \$30,000 per minute.

"CommVault's DBVault MAGNUM is at the forefront of the industry, providing the most comprehensive and the fastest performing backup and recovery solution for very large database systems in the market", said Michael Peterson, president, Strategic Research Corporation. "MAGNUM" is a true watershed solution for database administrators who are confronted with database systems that are growing exponentially in size and mission-critical importance as a key revenue generating application. We urge the IS and database administration community to evaluate this product.quot;

MAGNUM Soars at Delta Air Lines Beta Site

The MAGNUM software was rigorously beta tested at Delta Air Lines using the organization's passenger information database. The Oracle 7.3 database resided on a Sun server that was coupled to the CommVault central storage server with two 100BaseT connections. A StorageTel 9740 automated tape library with four DLT 7000 drives served as the storage repository.

"At Delta Air Lines, we are expanding our customer sales database that links passenger demographics with ticket revenue. Protecting it was a major concern," said Debbie Millard, manager of open system storage for Delta Technology, Delta's wholly owned IT subsidiary. "CommVault's new MAGNUM software exceeded our expectations. It was easy-to-use, had the ability to fully recover a database automatically, and performed extremely fast backups and restores. The administrative and time savings MAGNUM offers makes the product a clear winner."

StorageTek was so pleased with the real world performance results of CommVault's MAGNUM at the Delta beta-site, that they will be co-sponsoring a five city North America tour with CommVault to demonstrate the superior capabilities of MAGNUM and to promote its endorsed support for the database backup and recovery solution. The five city promotional tour is scheduled for later this summer 1998.

Auto Recovery

DBVault MAGNUM not only backs up and recovers data faster than any other network-based solution, but it is also the only solution that automatically reinitializes the entire database, saving one-third of the time commonly associated with the process of DBAs manually reinitializing the system. MAGNUM recovers Oracle and Informix databases by automatically integrating with Oracle's EBU and RMAN and Informix's ON-Bar own recovery procedures. Once a backup and recovery configuration has been selected, MAGNUM automatically retrieves and transmits the backup data, re-establishing the DataPipe pipeline connection and reconfigures all necessary catalog and archive logs to the database server without further involvement from the DBA.

MAGNUM uses standard database backup and recovery interfaces: Oracle Enterprise Backup Utility (EBU) 2.2, and Oracle RMAN. Although the EBU application offers only full database backup and restoration, MAGNUM software allows DBAs to segment large Oracle databases into groups of tablespaces for segmented partial backup and restoration capabilities. Informix ON-Bar supports both incremental and full policies. CommVault is a member of Oracle's Backup Solution Partner program, a certified provider for Informix, as well as a certified solution provider for SAP R/3 with DBVault and MAGNUM via the EBU/RMAN interfaces.

DataPipe Technology

Utilizing a patent-pending DataPipe[™] technology, MAGNUM moves large amounts of data from the source to the destination as rapidly as possible. It optimizes how the data is handled within the database server itself and transmitted over the network by breaking the data down into multiple data streams. Managed by the CommVault server, the DataPipe is an end-to-end software architecture that creates multiple, dynamic, high-speed connections between the database and the backup media (tape or optical drives). This provides the ability to transfer data at speeds approaching 87% of the theoretical maximum IP network bandwidth. MAGNUM allows DBAs to tune their network and hardware configurations to meet desired throughput requirements. These tuning capabilities allow DBAs to match their individual server hardware and network configurations to the backup requirements of their databases and adjust them as performance demands increase.

Easy to Use GUI

DBVault MAGNUM is driven by an easy-to-use Graphic User Interface (GUI) where the commonly used command lines, script code, business rules and business logic that are commonly associated with backing up and recovering databases are built into the MAGNUM GUI to streamline the backup and recovery database process. Logical groupings of associated tasks are incorporated in pull-down menus and pop-up screens to automate and guide DBAs in making the appropriate server, database and functional selections. Gone are the days of manual code, typing complex command lines and receiving multiple syntax errors.

MAGNUM Features & Benefits

- MAGNUM provides a tightly integrated GUI interface automating the database recovery process and speeding up simple administrative tasks.
- MAGNUM delivers real world backup speeds in excess of 15GB/hour per DLT tape drive over fast TCP/IP networks.

- High performance over-the-network backup and restorations cut administrative and hardware costs.
- Offers users online full or online incremental database backups with full or partial database restores.
- Centrally administered from a single console. Multiple databases can share a single library - reducing overhead, administrative and capital costs.

The MAGNUM solution ensures that as business critical database information continues to multiply and companies are forced to expand and upgrade their databases to accommodate this growth, the cost risk of this losing this information is minimized.

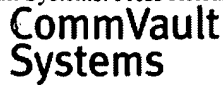
Pricing and Availability

The CommVault MAGNUM software is generally available as of June 30. Pricing is based on database server size and is competitive with other broadly available database backup and recovery solutions.

About CommVault Systems

CommVault Systems is a worldwide leader in providing enterprise-wide storage management solutions for client/server environments. CommVault offers a complete, application integrated suite of network-aware products that seamlessly ensure the reliable, rapid restoration of files, network file systems and today's most popular databases.

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**COMMVAULT SYSTEMS ANNOUNCES STRATEGIC RESELLER PARTNERSHIP WITH STORAGE TEK**

*– New Partnership Enhances CommVault Systems' Application Integrated Storage Management Solutions
For Canadian Customers –*

TORONTO, Ontario, May 1, 1997 -- As part of the continuing effort to build key partnerships with leading technology providers, CommVault Systems Canada, Inc. announces today an extensive reseller agreement with StorageTek Canada Inc. Through this partnership CommVault Systems will enhance its storage management solutions by reselling and integrating StorageTek's high-end DLT libraries into its enterprise-wide data management solutions for open client/server environments.

"As a leading provider of storage management solutions we are always evaluating partnerships with key technology providers that enable us to better serve our customers," said Scott Neal, president, CommVault Systems Canada, Inc. "In the Canadian market, StorageTek's DLT libraries provide an excellent extension of our core competencies and makes it an excellent and rewarding partner."

This agreement will further extend CommVault's role as a premier provider of network-based storage management solutions in the Canadian market. In addition, the company will be able to provide its customers with a wider variety of available solutions for its storage and disaster recovery solutions. CommVault's application integrated storage management solutions in combination with StorageTek's high performance libraries will enable hierarchical storage management, industrial strength data warehousing and state-of-the art disaster recovery solutions.

John Buchan, President, StorageTek Canada Inc., said, "CommVault Systems has an impressive track record in using the latest technology and providing innovative enterprise-wide client/server backup solutions. Through this agreement we can provide our mainframe-tested technology to the client/server market, and continue to meet the evolving needs of our traditional customers." Augmented with the recent opening of CommVault's Canadian office in Toronto, today's agreement further strengthens the company's position as a leading provider of storage management solutions and enhances its ability to provide its Canadian customers with the best data storage solutions available in today's market.

About CommVault Systems

CommVault Systems is a worldwide leader in the individualized design of world-class, enterprise-wide storage management solutions for client/server environments. CommVault offers a complete, application-integrated suite of network-aware products that seamlessly ensure the reliable, rapid restoration of files, network file systems, and today's most popular databases. Information on CommVault is available on the World Wide Web at <http://www.commvault.com> or call (416) 368-2020. CommVault's corporate headquarters is located in Oceanport, New Jersey in the United States.

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COMMVAULT SYSTEMS ANNOUNCES INDUSTRY-LEADING MICROSOFT EXCHANGE SOLUTION

-- CommVault Offers Unprecedented Features, Capabilities, and Solutions for a Suite of NT Storage Solutions --

OCEANPORT, N.J., February 17, 1998 -- Expanding the Company's reliable and flexible solutions to meet the ever-increasing number of NT installations, CommVault Systems announced today its initiative to provide the most comprehensive, leading-edge storage solutions for NT environments. As the first offering in a series of enhanced CommVault NT-based solutions, the Company's backup and recovery solution for Microsoft Exchange is generally available today. The product is architected to provide the maximum performance in the typical Exchange installation comprised of multiple servers and locations.

This initiative is part of CommVault's broader strategy to provide organizations with a powerful, complete, and centralized Windows NT solution. Recognizing that Microsoft Exchange has become an integral component of many organizations' competitive success, CommVault expanded its Application Integrated backup and recovery solution to ensure enterprise data protection within the NT environment. Unlike its competitors, CommVault's storage management solutions back up and restore a user's mailbox, or folder(s) within a user's mailbox, for all versions of Microsoft Exchange. Anticipating the need to restore a user's folder within a mailbox, CommVault ensures message and folder integrity is maintained because restored data is appended to the user's mailbox, not overwritten. Mailbox filters allow Exchange administrators to choose the level of protection for each user's account and to eliminate the need to back up unwanted data. Within the next few months, this initiative will be extended to provide the same enhanced storage granularity and flexibility for SQL and Lotus Notes/Domino environments.

"We have researched enterprise solutions that provide total data protection and recovery features for Exchange and offer a suite of storage solutions for NT and other critical applications," said James Oliverio, senior vice president, director of technology for the investment banking division of Donaldson, Lufkin & Jenrette. "CommVault is the only storage management software vendor that provides the granularity, speed, and total support to meet our current needs today and as our enterprise grows in the future."

CommVault's solutions provide full administrative capabilities for all Microsoft Exchange servers and databases from any properly configured NT machine. This solution also provides:

- Back up and restore capabilities to mailbox folder level for ALL versions of Microsoft Exchange, 4.x, and 5.x.
- Centralized administration using CommVault's easy-to-use Windows NT Graphical User Interface (GUI).
- Full backups of Private and Public Information Stores, Directory and all transaction logs.
- Protection of user profiles, security and metadata.
- Incremental and differential backups help meet shrinking windows.
- Folder level restore with message integrity.
- Mail ID automatically restored.
- Parallel data streams for backup of single Exchange server.

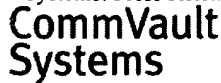
"Because of the increased demand for Microsoft Exchange servers, users are requiring business critical storage management solutions that directly meet the needs associated with their unique and often heterogeneous environment," said Bob Freiburghouse, senior vice president, technology, at CommVault. "Realizing that 60% of enterprise computing environments are incorporating NT-based applications, we are determined to offer the most flexible Microsoft storage management solutions in the industry."

As server implementations continue to grow in size and complexity, companies are turning to storage solutions that successfully manage large file servers, databases and multiple applications in a variety of environments. A centralized storage management application is essential for uniting all associated data from these sources into one heterogeneous environment. As the leading provider of storage management solutions for enterprise open systems, CommVault offers the industry's most comprehensive, fully integrated suite of storage management software products. These solutions are tightly integrated with all storage management functions and provide users with file system and database backup and recovery; disaster recovery; hierarchical storage management; archiving; and data migration.

ABOUT COMMVAULT SYSTEMS

CommVault Systems is a worldwide leader in providing enterprise-wide storage management solutions for client/server environments. CommVault offers a complete, application integrated suite of network-aware products that seamlessly ensures the reliable, rapid restoration of files, network file systems, and today's most popular databases. CommVault's corporate headquarters is located in Oceanport, New Jersey in the United States.

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**COMMVault SYSTEMS "VAULT98" APPLICATION INTERFACE FOR SAP R/3 EARNS SOLARIS AND HP-UX
CERTIFICATION, ENABLING HIGH PERFORMANCE BACKUP AND RECOVERY FOR ORACLE DATABASES**

*--Vault98 Application Interface for SAP R/3 offers centralized, enterprise capable storage management for
the first time --*

OCEANPORT, NJ, December 2, 1997 -- CommVault Systems, Inc. announces today the full certification of the Vault98TM Application Interface for SAP R/3. The Vault98 implementation of the SAP standard backup utility now provides enterprise users with a broad set of tools to protect their SAP Oracle databases running on Solaris or HP-UX. Where mission-critical data resides on SAP applications, the Vault98 interface offers enterprise users the ability to securely and reliably backup and restore all mission-critical data.

Full certification was granted by SAP integration and certification engineers after rigorous testing, ensuring that data was passed accurately and completely between the Vault98 Application Interface and the SAP backup utility, called "backint". The "backint" specification defines the interface between the SAP backup utilities and the Vault98 storage management engine. This allows end users to backup and restore data via the Vault98 storage management software suite using SAP's brbackup, brarchive, brrestore, and sapdba utilities. The examination team concluded that the Vault98 interface meets the SAP specification BC-BRI, the only backup certification available from SAP.

"SAP R/3 certification for backup and recovery is an important component of our cross platform data protection product suite for enterprise computing environments," said Mr. Robert Freiburghouse, senior vice president, Development, CommVault Systems. "We are very pleased to have passed SAP's strict certification process. Our receipt of SAP's certification is yet another indicator of our commitment to building storage management products that work in the real world."

The Vault98 storage management software suite offers SAP R/3 users a number of innovative ways to back up their Oracle databases, including the use of parallel streams -- saving time and media space, and allowing for more efficient backups. End users report large time savings using the full capabilities of Vault98 when restoring logical partitions, usually called "instances", of the Oracle database.

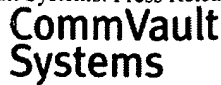
The Vault98 advanced feature set for Oracle databases includes:

- Remote and local administrative control
- True incremental backups (both file system and raw block level)
- Centralized storage media for higher usage rates and better administrative control
- Unique rolling full backup technique eliminates need for independent full backups
- Exclusive logical partition restore capability
- Client-side and/or server-side compression for optimum performance

Price and Availability

The Vault98 Application Interface for SAP R/3 will be generally available from CommVault Systems, November 17, 1997, as part of CommVault's integrated storage management product suite, Vault98. Pricing for the SAP R/3 Interface starts at \$10,000 per CommVault server.

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**COMMVAULT SYSTEMS AND ST. BERNARD SOFTWARE ANNOUNCE INTEGRATED SUPPORT OF
COMMVAULT'S VAULT98 BACKUP AND RECOVERY SOFTWARE WITH OPEN FILE MANAGER**

*-- Integration Offers Enterprise Customers Two Ways to Ensure Windows NT or Netware Files Are
Accurately and Completely Recoverable --*

OCEANPORT, NJ, November 17, 1997 -- CommVault Systems, Inc. announces today its partnership with St. Bernard Software, integrating support of CommVault's Vault98 backup and recovery software with St. Bernard's Open File Manager. With enterprise computing's increasing dependence on client/server operating systems and user's growing requirement for 24x7x365 access to data, IT managers are facing new challenges to ensure data reliability and availability. The seamless integration of the CommVault and St. Bernard software ensures that open NT or Novell files are properly and completely backed up at the scheduled time, securing data, decreasing demand on network bandwidth, and improving access to mission-critical data.

The combination of CommVault and St. Bernard software ensures that system administrators can feel confident that automated, centralized backup systems capture all essential data. CommVault's Vault98 application integrated software allows administrators to browse and restore data in its native format. With unmatched integration capabilities, Vault98 quickly restores application data at the file, folder, mailbox or component level with all of the unique properties associated with the data intact. Vault98 software treats the data within integrated applications as objects, capturing the permissions, rights and metadata associated with that data. The granularity of the Vault98 backup allows the software to quickly locate and individually restore only the requested data in seconds without any excess baggage. When administrators need to restore a file, folder or mailbox, the administrator does not have to reenter application specific information, like native access rights and permissions, saving time and maximizing employee resources.

"We recognized the importance of data integrity and availability as an important piece of gaining control over storage resources in large client/server environments," said Larry Cormier, vice president and Marketing Director. "That is why we worked with St. Bernard Software to integrate CommVault's Vault98 storage solution with their Open File Manager software. This partnership will assure our customers critical Windows NT and Novell data is backed up and available if their client/server network should experience a problem."

"We are pleased to be part of CommVault Systems' solutions. Open file management is a critical element to all backup efforts," said Craig Schwartz, vice president of Marketing, with St. Bernard Software. "CommVault is clearly enhancing their customers' data storage environments by ensuring the capture of files that are so critical to a business that they are usually open and often in use."

The combination of CommVault's Vault98 network storage management software and St. Bernard Software Open File Manager offers Windows NT and Netware users to backup and restore all files, even those that the operating system or application has locked open. These include files open for modification or ready for transition.

Key Features of Vault98 with Open File Manager:

- **Protects Open Files:** Open files are backed up safely and will not change during backup, even if in use.
- **No Interruption in Operations:** All applications can run continuously, eliminating the need for users to close files or log out before running backups.
- **Other Applications Have Unrestricted read/write Access:** backup of the file does not impact the ability of other applications, normal access control by applications remain intact.

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**COMMAVULT SYSTEMS ELEVATES STORAGE MANAGEMENT TECHNOLOGY TO A TRUE NETWORK
RESOURCE WITH THE INTRODUCTION OF VAULT98**

*– Premier Storage Management Solution From CommVault Systems Balances Cost, Availability and
Performance Imperatives By Optimizing Storage Management Resources Across the Enterprise –*

OCEANPORT, NJ, September 8, 1997 - Responding to the increasing demand from end-users in client/server, workgroup and clustered computing environments for a powerful, centralized storage management solution that allows business critical data to be efficiently backed up, recovered, and managed across a network, CommVault Systems today announces the general availability of Vault98, an integrated storage management software suite. CommVault Systems' Vault98 provides the only suite of storage management products specifically designed to operate in complex, heterogeneous networks consisting of large files and database servers. In addition, CommVault Systems supports its software with the industry's leading service professionals ensuring that each installation is optimized for the customer's unique computing environment.

CommVault's Vault98 application integrated software suite provides a data management foundation for all leading client/server environments, offering unique data recovery and data access capabilities crucial to many organization's daily operations. As the role of data management grows in importance for large, complex client/server networks, CommVault Systems' storage solution addresses the demand for centralized management, remote administration and intelligent media management.

Vault98 represents the next step forward in storage management software because it offers the broadest range of supported clients, lets customers manage their backup software via any SNMP network management application, allows customers the option to choose the best storage media for their need, centralizes storage allowing for true HSM and data archiving, plus it is tightly integrated with the newest business critical data: client/server applications.

CommVault Systems has been committed solely to storage management solutions that operate across network systems since its inception in 1988. Leveraging the expertise of its established professional services staff, CommVault's Vault98 meets the system administrator's demand for a tailored, high-performance, network-based storage solution that works in their particular distributed, client/server environment. Furthermore, Vault98's centralized storage management solution is the only storage management software that offers built-in, tight integration of all storage management functions to meet enterprise user needs. These include:

- File System and Database Backup and Recovery,
- Disaster Recovery,
- Hierarchical Storage Management,
- Archiving, and,
- Data Migration.

With its new VLDB module, Vault98 software meets the demand for faster backup speeds created by the advent of huge mission critical databases. Employing a proprietary DataPipe process, the Vault98 product has reached 500GB/hour data backup speeds in tests over a 100 BaseT connection by writing directly to high performance DLT tape drives. For the first time, users can get the performance they need to efficiently back up their very large databases without the requirement for expensive or contrived modifications to their network infrastructure.

The addition of a knowledge module offers customers the exclusive capability to fully administer backups, track and manage backup media, retain and report on historical trends, tune thresholds to fit individual customer needs, generate alerts or warnings for crossing thresholds, plus notify administrators by e-mail or integrated paging systems of trouble with their backups via any SNMP network management application.

"As a leading provider of storage management solutions, we strive to deliver storage management solutions that our customers value. Vault98 is the culmination of two years of development work; it offers our customers what they wanted -- a totally integrated storage management solution with unmatched administration capabilities," said Scotty Neal, president, CommVault Systems, Inc. "And our established service infrastructure ensures that our product works in their unique environment, and that it can grow with their needs."

File System and Database Backup and Recovery

Vault98's file system backup and recovery software operates on a dedicated Sun server and is capable of backing up the widest range of clients in the industry, including over a dozen variants of UNIX, as well as NT, OS/2, Win95, Banyan, Novell, SAP, Streettalk for NT, and VMS operating systems. Backups may be full or incremental and include both data and metadata, such as file attributes and access rights that are native to the client's file system. Backups can be automatically performed based on predefined schedules or may be manually initiated from any client on the network. In addition to file systems, Vault98 backs up and restores a broad range of databases in on-line and off-line modes, including Oracle, Informix and Sybase. In fact, Vault98 is the only enterprise class storage solution that backs up and restores the most widespread versions of Oracle and Informix databases.

The Vault98 architecture uses a virtual machine(tm) concept of parallel paths established between a client and the Vault98 server to enable multiple backups to operate on any given client, or across multiple clients, at the same time. Coupled with data compression available on either the client or server side, Vault98 software uses the maximum available bandwidth ensuring one of the fastest network backup and restore times available on the market. The product also employs a special crash-resistant, backup architecture where a backup can be interrupted due to system or network failure and restarted from the point of interruption without loss of data.

Vault98's exclusive capability to back up, browse, and recover data as native objects for today's most popular applications sets it apart from other storage management offerings. Customers can directly restore individual mailboxes within MS Exchange, individual folders or documents in Lotus Notes, do patch level server restores and individual mailbox restores in Banyan, and individual tables in MS SQL or the leading databases, to anywhere on the network. This unequaled capability helps ease administrative burdens, raise productivity and ensures users work in the application environment in which they are most knowledgeable.

In addition, through a knowledge module co-developed with BMC Software Inc., Vault98 gives users the ability to automatically monitor and schedule storage management policies across multiple CommVault servers from any of the leading network management consoles.

Disaster Recovery

Because the Vault98 server is designed to operate over a network, the product offers three schemes for data disaster recovery. First, data that has been inadvertently deleted, lost or damaged on a single client, multiple clients or an entire server, can be remotely retrieved and restored. With the server and its storage media located at a remote site away from its clients, this ensures that business critical data is always accessible to the clients. Second, Vault98's triple storage media hierarchy of disk, optical, and tape, allows tapes to be archived off site. Third, in the event of a total disaster, the CommServe DR(tm) module offers a 'bare metal' restore of the total Vault98 system and any client that was backed up. Both the data and all associated metadata, such as access rights and attributes, can be automatically restored.

Tapes created by the Vault98 server can be stored off-site and re-loaded into an empty Vault98 server to restore data back to any client or sever in a network. All corresponding metadata is also restored, ensuring that all recovered files and databases are restored with all the associated original properties intact.

Hierarchical Storage Management (HSM)

Vault98's HSM module is designed to reduce the amount of magnetic disk storage required to hold data by moving infrequently accessed data to less expensive media. Vault98's principal HSM module operates on UNIX client computers. It modifies the NFS on the UNIX client so that files may reside either on magnetic disk attached to the client, or on optical storage attached to the Vault98 server, with all files appearing to reside on the client's magnetic disk. Access to files on either media is completely transparent to the applications running on the client except for delays caused by loading the optical media to a drive.

Archival

Vault98 offers a totally unique and powerful archiving module for storing and browsing historical data and records that are no longer available for update but need to be cataloged and stored in a form that is accessible. This module is used primarily for version control where accurate records are necessary, and archiving historical data such as billing records, financial transactions and correspondence files. The Vault98 archiving module provides read-only access to ensure that historical data is not altered.

Data Migration

It is not often possible to easily separate inactive from active data by dates or versions, but it is still advantageous to remove inactive data from magnetic disk while keeping it accessible to all applications. Vault98's migration product enables UNIX file system data to be moved transparently from magnetic disks on client machines to optical storage attached to the Vault98 server. Migration of the data is controlled by user-defined parameters but also employs a least recently used algorithm (LRU) to select which files to migrate. Use of a stub file pointer offers quick read-only access for browsing, and prevents a reverse migration storm when a user accesses migrated data.

Year 2000 Compliance

Vault98 is the only enterprise backup and recovery software solution currently shipping that is Year 2000 compliant. All data that has been backed up or archived by Vault98's family of storage management products is compliant with Year 2000 standards. CommVault ensures its storage software will properly recognize file dates before and after December 31, 1999, securing the backup and recovery capabilities of its storage software into the next century.

Customer Support and Professional Services

With the release of Vault98, CommVault has added additional resources to its already extensive Professional Service Program to assist its customers in configuring their networks, installing CommVault storage products, performance tuning and post sale consulting services. CommVault provides a 24 hour, 7 day a week Customer Service call center support staffed by trained MIS experts to resolve software, hardware and network-related concerns or problems. CommVault provides a single point of contact for all service issues and is able to track and resolve issues quickly.

Price and Availability

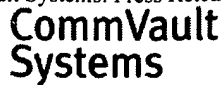
CommVault's Vault98 application integrated storage management software suite is generally available as of September 8, 1997. Pricing is based on industry-standard policies: size and performance of the Vault98 server package plus additional charges for the number and types of clients to be backed up. Basic software packages start around \$30,000.

About CommVault Systems

CommVault Systems is a worldwide leader in providing world-class, enterprise-wide storage management solutions for client/server environments. CommVault offers a complete, application integrated suite of network-aware products that seamlessly ensures the reliable, rapid restoration of files, network file systems, and today's most popular databases. CommVault's worldwide headquarters is located in Oceanport, New Jersey in the United States.

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COMMVAULT SYSTEMS AND ADIC ANNOUNCE STRATEGIC OEM AGREEMENT

— New Partnership Expands Storage Management Offerings, Providing Flexible DLT Solutions —

OCEANPORT, N.J., August 27, 1997 -- As part of its continuing effort to build key partnerships with leading technology providers, CommVault Systems, Inc. announced today a strategic OEM agreement with ADIC (NASDAQ:ADIC). Under the agreement, CommVault will expand and enhance its storage management offerings by integrating ADIC's DLT tape libraries into its enterprise-wide storage solutions, providing added flexibility and functionality for its customers.

"ADIC's high performance Scalar(r) family of DLT tape libraries offers our customers the high levels of quality we look to provide with our strategic partnerships," said Scotty Neal, president, CommVault Systems, Inc. "This partnership with ADIC further enhances CommVault's storage management solutions, expanding the value and the DLT capabilities our customers want for their network storage."

Combined with ADIC's Scalar DLT tape libraries, CommVault's storage management software enables companies to store archive data on tape and provide disaster recovery for single server or multi-site environments. The combined solution allows end-users to provide protection and security for a variety of network configurations efficiently and cost-effectively.

"CommVault Systems has an impressive history of developing innovative, customer-driven storage management solutions," said William Britts, vice president of sales and marketing, ADIC. "Its established position in the enterprise environment and expertise in storage management software make it a strong partner for carrying our DLT library technology to a growing market as part of an integrated and proven storage solution."

About ADIC

ADIC has been providing storage solutions since its founding in 1983. It is the leading drive-independent supplier of automated tape storage libraries for client/server networks, with over 20,000 library units in the field. ADIC products are available with 4mm (DAT), 8mm and DLT drive technology, and are supported by every leading supplier of backup and HSM software products in all leading operating systems. ADIC sells its products in conjunction with channel partners throughout the US, Canada, Europe and the Pacific Rim. Corporate headquarters are in Redmond, Washington. ADIC can be reached at 800-336-1233.

About Commvault Systems

CommVault Systems is a worldwide leader in providing enterprise-wide storage management solutions for client/server environments. CommVault offers a complete, application integrated suite of network-aware products that seamlessly ensures the reliable, rapid restoration of files, network file systems, and today's most popular databases. CommVault's corporate headquarters is located in Oceanport, New Jersey in the United States.

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COMMVAULT SYSTEMS AND PINNACLE MICRO ANNOUNCE STRATEGIC RESELLER AND MARKETING PARTNERSHIP

– New Partnership Offers The Fastest, Highest-Capacity 5.25", Optical, Total Storage Solution For Enterprise-Wide Management Needs, With Up To 1.1 Terabytes Uncompressed Storage Capacity –

OCEANPORT, NJ, June 3, 1997 -- As part of the continuing effort to build key partnerships with leading technology providers, CommVault Systems, Inc. and Pinnacle Micro, Inc (Nasdaq: PNCL) announce today an extensive reseller and joint marketing agreement. In response to administrators of data-intensive network operating systems demanding total, high performance, reliable storage solutions, CommVault and Pinnacle Micro have partnered to provide the most robust and complete storage management solution on the market. Through this partnership, CommVault Systems will be able to provide a total enterprise-class storage solution within a single optical library system.

CommVault Systems will be able to double the optical storage capacity of its storage management solutions by reselling and integrating Pinnacle Micro's leading optical library systems. These systems are targeted at enterprise-wide data management solutions for open client/server environments. CommVault Systems' solutions, based on Pinnacle's industry-leading Apex 4.6 Gigabytes optical drives, will be able to provide its customers with the fastest, highest-capacity, 5.25" total optical storage solution, with up to 1.1 Terabytes of uncompressed storage capacity.

Through the agreement, CommVault will integrate its complete suite of network-aware software solutions with a number of Pinnacle's leading line of optical library systems, ensuring the reliable, rapid restoration of files, network file systems, and databases. The partnership has grown out of both companies commitment to continually respond to the market needs of its customers by creating successful storage management solutions that meet the growing demand for reliable access to business-critical corporate information across networks.

"As a leading provider of storage management solutions we are always evaluating partnerships with key technology providers that enable us to better serve our customers," said Scotty Neal, president, CommVault Systems, Inc. "Through this partnership, we help meet our customer's needs for reliable access to business-critical corporate information by providing the most robust and complete storage management solution available. With Pinnacle Micro's superior, leading-edge optical technology we can now effectively double the storage capacity in a single optical jukebox system. This partnership will greatly enhance our total storage management solutions." According to a recent IDC report, centralized, optical back-up and disaster recovery storage solutions are becoming an integral component of the overall data management design to consider when implementing an enterprise-wide computing network. The report went on to state that optical storage solutions provide:

- Unmatched reliability with write / read verification
- Virtually impervious data corruption capabilities
- Speed near that of average magnetic disk
- High storage capacity - Up to 4.6 GB on a single disk
- Random access to data

Commenting on the new partnership, Ken Campbell, president of Pinnacle said, "We are excited to be working with CommVault whom we consider to be one of the leaders in enterprise storage management solutions. We believe optical libraries are an important technology for these applications because of its superior reliability, archiving and retrieval time." For Pinnacle Micro, the value of the partnership could be as much as \$4 to \$5 million throughout 1997.

CommVault's compression technology will effectively double the storage capacity of Pinnacle's line of optical library systems. This will create a complete, single, optical jukebox storage management solution with potential storage capacity of up to 2.2 Terabytes.

CommVault Systems and Pinnacle Micro will continue to develop technological advancements in their respective core competencies. Through this partnership, new products and advancements in system capabilities will be marketed and integrated together in response to the market's growing demand for enterprise-wide optical storage and disaster recovery solutions.

About Pinnacle Micro, Inc.

Pinnacle Micro, Inc. is the recognized leader in optical storage systems and technology. Pinnacle's best selling RCD4X4 Recordable CD and new RCDW226 Rewritable CD drives deliver 4X read/4X record and 2X rewrite/6X read speeds respectively. Pinnacle's award-winning Apex 4.6 GB optical hard drive and media is the highest capacity 5.25" removable storage currently available. Applications include data archiving and backup, general data storage and data intensive applications such as network storage, imaging, desktop publishing and prepress. Pinnacle also offers a line of high performance Apex-based optical library systems ranging in capacity from 20 GB to 4.7TB. Founded in 1987, Pinnacle Micro, Inc. is a publicly traded company (NASDAQ: PNCL) with headquarters in Irvine, CA, a manufacturing/research & development facility in Colorado Springs, CO, and additional sales offices in North America and Europe.

This new release contains forward looking statements that are subject to risks and uncertainties. Actual results may vary. Specifically, the \$5 million value of the partnership is an estimate based on reasonable sales projections through out the year.

About Commvault Systems

CommVault Systems is a worldwide leader in providing world-class, enterprise-wide storage management solutions for client/server environments. CommVault offers a complete, application integrated suite of network-aware products that seamlessly ensure the reliable, rapid restoration of files, network file systems, and today's most popular databases. Information on CommVault is available on the World Wide Web at <http://www.commvault.com> or call (908) 935-8000. CommVault's corporate headquarters is located in Oceanport, New Jersey in the United States.

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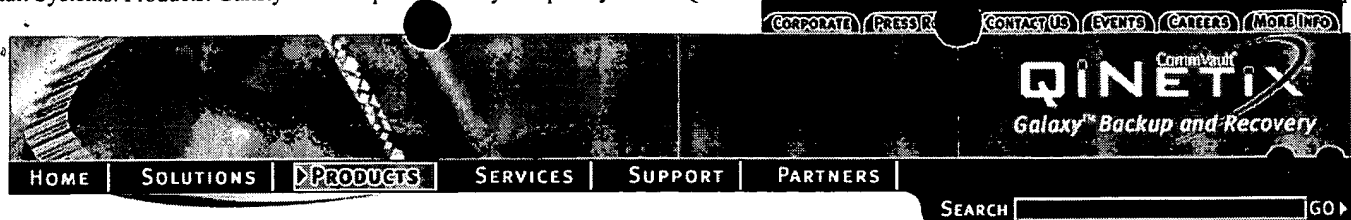
8/15/2000 COMMVAULT SYSTEMS IMPROVES ENTERPRISE PROTECTION WITH LATEST RELEASE OF GALAXY ENTERPRISE 2000 DATA AND STORAGE MANAGEMENT SOLUTION

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- 6/3/1997 COMMVAULT SYSTEMS AND PINNACLE MICRO ANNOUNCE STRATEGIC RESELLER AND MARKETING PARTNERSHIP

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PRODUCTS

GALAXY™ BACKUP & RECOVERY FAQ

[Galaxy™ Backup & Recovery](#)[DataMigrator™](#)[Quick Recovery](#)

CommVault® Galaxy™ software offers you a unified, scalable data protection solution for distributed, heterogeneous environments. With Galaxy software, policy-based actions can be enforced across all your operating environments, applications and storage types, simplifying the management of complex storage networks.

With Galaxy's easy-to-use, browser-based interface, users can perform high-speed backups and restores to help maintain data access. The robust Galaxy reporting mechanism helps you and your staff keep your fingers on the pulse of your data protection strategies.

1. Can Galaxy help reduce our storage administrative costs?

Yes. Significant hardware and staffing savings result from Galaxy's automation of key data and storage management functions, policy-based storage, simplified adaptive deployments, fast data recovery and highly efficient use of storage media. Plus Galaxy's transparent use of different storage media, disk to disk to tape, for example. That means that you can match the performance of a media to your data protection needs without replacing expensive hardware.

2. Can I count on the data and storage management solution to restore critical data when I need it most?

Yes, you can. The Galaxy architecture abstracts the physical world into logical concepts and objects. This minimizes the impact of faulty hardware on Galaxy's management capabilities by transparently and automatically taking the necessary actions to mitigate the hardware problems. Plus, redundancies in design and architecture eliminate many single points of failure which is the cause of incomplete backups.

3. Does Galaxy scale to support additional departments and users?

Galaxy automated installation makes it easy to add or to re-deploy revolutionary distributed data management components to an ever-growing enterprise storage environment. And, the software's patented synchronized dual indexing scheme ensures the meta database catalog does not become a bottleneck.

4. How does Galaxy lower the Total Cost of Ownership (TCO)?

By simplifying administration, attaining higher data availability and reducing IT labor costs, Galaxy solution can dramatically lower your TCO.

5. How fast can Galaxy recover lost data?

The Galaxy backup and recovery solution provides for a range of recovery needs to improve data availability—from volume-level recovery that uses zero impact backup strategies to support large amounts of data, to application-specific solutions systems that recover only the granular data you need.

6. Can I tailor Galaxy to our IT environment and business processes?

Sure. The Galaxy solution makes it easy to devise data management policies to manage a single computer or a widely distributed heterogeneous enterprise. Flexible, adaptive deployment capabilities let you quickly and easily tailor the policies to your business practices. Data requiring more precise storage management can be segmented from the default settings and have distinct management policies established.

7. How granular is the Galaxy's restore capability?

Galaxy can recover data down to the lowest entity the application can support, i.e., e-mail messages, attachments and attributes, files, tablespaces and file groups.

8. Will Galaxy work with Storage-Area Networks (SANs) and Network Attached Storage (NAS)?

The Galaxy software provides native support for SANs, NAS and other emerging storage technologies to provide maximum integration with modern distributed storage solutions.

9. How easy is Galaxy to use?

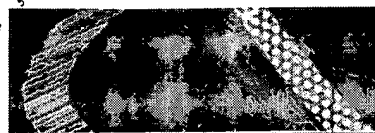
Galaxy is managed through a single, unified browser interface, which provides a centralized, point-and-click access to all applications, features and events. So, Galaxy can auto-discover and configure your storage infrastructure with a minimum of administrative intervention.

10. How do we get started? What's the first step once we select a backup and recovery software system?

First, identify your data protection requirements. We're happy to help; CommVault has knowledgeable service staff and tools to create, map and analyze your data. Our storage professionals can assist you in planning and implementing a Galaxy solution for your individual needs.

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Where to Buy

Minimizing storage cost and maximizing data access shouldn't be an "either/or" choice. That's why we developed QiNetix™ DataMigrator™ software. It lets you match the value of data to your cost and access requirements.

QiNetix DataMigrator software provides unmatched data management and availability. It migrates Exchange email and Windows file system data to less expensive secondary storage while retaining transparent user access to the migrated data through the original interface or CommVault's centralized browser interface. By shrinking the size of the Microsoft Exchange Information Store or Windows File System volumes, DataMigrator software reduces backup windows, reduces primary disk storage, eases IT administrative burden and improves your Microsoft Exchange Server and Windows File System performance.

So, more data is available to more users and all data is managed.

1. How will DataMigrator help my administrative burdens?

Simple. DataMigrator software saves time and eliminates the need for to keep all data online. It alleviates the need to constantly reset user mailbox or file system quotas and results in fewer requests to restore deleted files and e-mails from backup media.

2. How will DataMigrator help my users while keeping their files and e-mail data available?

With DataMigrator, users will spend less time managing file volumes, mailboxes and deleting data to stay under quotas. Because older data is available through their Outlook interface for e-mail, the normal directory tree for files, the users have access to more data without exceeding existing quotas. In fact, DataMigrator software functionally expands users' mailboxes or file shares. In addition, users save time normally spent requesting and waiting for restores of deleted data, resulting in better data availability.

3. Will DataMigrator make our Windows file and Exchange e-mail environment more efficient?

Yes. With DataMigrator you can significantly reduce the size of the overall disk volumes and message stores, resulting in faster backups and better performing Windows file or Exchange servers.

4. How does DataMigrator lower the Total Cost of Ownership (TCO)?

DataMigrator effectively manages the Windows disk volume or Exchange Information Store to a reduced "steady state" from which it does not grow dramatically. This helps you postpone hardware purchases, from faster processors, RAM and SAN memory, to larger capacity tape drives. It reduces administrator time spent juggling storage resources and lessens user time spent organizing disks, mailboxes and deleting e-mail. DataMigrator also eliminates the loss of e-mail stored in local .PST files.

5. Can DataMigrator help reduce our storage administrative costs?

Absolutely. Significant hardware and staffing savings result from DataMigrator's automation of key data and storage management functions, policy-based storage, simplified adaptive deployments, fast data recovery and efficient use of storage media.

6. How granular is DataMigrator's restore capability?

DataMigrator can quickly recall all aspects of files and e-mail, including security, rights, properties, attachments and attributes. We have incorporated the legendary CommVault Galaxy file- and message-level restore technology, considered the best in the industry.

7. Will DataMigrator work with Storage-Area Networks (SANS) and Network-Attached Storage (NAS)?

The DataMigrator software transparently provides native support for SANs, NAS and other emerging storage technologies to provide maximum integration with modern distributed storage solutions.

8. How easy is DataMigrator to use?

Migrated data appears in the user's Outlook, directory or our centralized browser interface with a special icon alerting users that the file, message or attachment has been migrated. Recalling migrated data is easy; users simply highlight the message or file and it's automatically recalled from storage. Or, administrators can use the QiNetix DataMigrator browser interface to search attributes before recalling.

9. Can I use DataMigrator with my existing backup and recovery product?

Yes. DataMigrator can be used with CommVault® Galaxy™ or your legacy backup and recovery product.

10. How is DataMigrator Integrated with CommVault Galaxy?

Qinetix DataMigrator integrates tightly with Galaxy backup and recovery software for simplified and unified management of all copies of Microsoft Windows or Exchange data. The software dynamically shares storage resources (disk, tape or other) with our backup solution.

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